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IN THE CLAIMS

1. A network, comprising:

a local group of network workstations and clients with a set of corresponding local IP-addresses, and that periodically need access to a wide area network (WAN);

a class-based queue (CBQ) traffic shaper is disposed between the local group and the WAN, and provides for an enforcement of a plurality of service-level agreement (SLA) policies on individual connection sessions by limiting a maximum data throughput for each such connection;

a database providing for policy-information collection of network-traffic statistics from the CBQ traffic shaper and including a structured query language (SQL) with a CREATE VIEW function;

a superview table created from said CREATE VIEW function and containing a set of policy and statistical data about a plurality of network clients;

a plurality of dynamic views created from said

CREATE VIEW function that join the superview with a filter
table; and

a plurality of filter tables dynamically populated by parameters received from said plurality of network clients, and fill the dynamic views with selected components copied from the superview table.

2. The network of claim 1, wherein:

the CBQ traffic shaper is configured such that said SLA policies are attached to each and every local IP-address, and any connection combinations with outside IP-addresses are ignored.

3. The network of claim 1, wherein:

the CBQ traffic shaper is configured such that said SLA policies are such that any policy-conflicts between local

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IP-address transfers are resolved with a lower-speed one of said conflicting policies taking precedence.

4. The network of claim 1, wherein:

the CBQ traffic shaper is configured such that said SLA policies are dynamically attached and readjusted to allow any particular on-demand content delivery to said local IP-addresses.

10 5. A network, comprising:

a local group of network workstations and clients with a set of corresponding local IP-addresses, and that periodically need access to a wide area network (WAN);

a class-based queue (CBQ) traffic shaper is

disposed between the local group and the WAN, and provides
for an enforcement of a plurality of service-level agreement
(SLA) policies on individual connection sessions by limiting
a maximum data throughput for each such connection;

a database providing for collection of networktraffic statistics from the CBQ traffic shaper and including a structured query language (SQL) with a CREATE VIEW function;

a superview table created from said CREATE VIEW function and containing a set of statistical data about a plurality of network clients;

a plurality of dynamic views created from said CREATE VIEW function that join the superview with a filter table; and

a plurality of filter tables dynamically populated 30 by parameters received from said plurality of network clients, and fill the dynamic views with selected components copied from the superview table;

wherein, the class-based queue traffic shaper distinguishes streaming video datapackets from other types and affords said streaming video datapackets a throughput priority.

6. The network of claim 5, wherein:

the CBQ traffic shaper is configured such that said SLA policies are attached to each and every local IP-address, and any connection combinations with outside IP-addresses are ignored.

7. The network of claim 5, wherein:

the CBQ traffic shaper is configured such that said SLA policies are such that any policy-conflicts between local IP-address transfers are resolved with a lower-speed one of said conflicting policies taking precedence.

8. The network of claim 5, wherein:

the CBQ traffic shaper is configured such that said SLA policies are dynamically attached and readjusted to allow an on-demand streaming video delivery to said local IP-addresses.

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